Vivitar®

V3915 User Manual

English

041203TP

NOTICE

FCC Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
This device may not cause harmful interference, and
This device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for Class B digital devices, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Use of shielded cable is required to comply with Class B limits in Subpart B of Part 15 of the FCC rules.

Do not make any changes or modifications to the equipment unless otherwise specified in the manual. If such changes or modifications should be made, you could be required to stop operation of the equipment.

READ THIS FIRST

Trademark Information

- Microsoft® and Windows® are U.S. registered trademarks of Microsoft Corporation.
- Pentium® is a registered trademark of Intel Corporation.
- Macintosh is a trademark of Apple Computer, Inc.
- SD™, PhotoSuite and PhotoVista are trademarks.
- Other names and products may be trademarks or registered trademarks of their respective owners.

Product Information

- Product design and specifications are subject to change without notice. This includes primary product specifications, software, software drivers, and user's manual. This User's Manual is a general reference guide for the product.
- The product and accessories that come with your ViviCam 3915 may be different from those described in this manual. This is due to the fact that different retailers often specify slightly different product inclusions and accessories to suit their market requirements, customer demographics, and geographical preferences. Products very often vary between retailers especially with accessories such as batteries, chargers, AC adapters, memory cards, cables, carrying cases/pouches, and language support. Occasionally a retailer will specify a unique product color, appearance, and internal memory capacity. Contact your dealer for precise product definition and
  included accessories.
- The manufacturer assumes no liability for any errors or discrepancies in this user's manual.
- For user manual and driver updates, refer to our website or contact your dealer.

SAFETY INSTRUCTIONS

Read and understand all Warnings and Cautions before using this product.

Warnings

If foreign objects or water have entered the camera, turn the power OFF and remove the batteries and the AC power adapter.
Continued use in this state might cause fire or electric shock. Consult the store of purchase.

If the camera has fallen or its case has been damaged, turn the power OFF and remove the batteries and the AC power adapter.
Continued use in this state might cause fire or electric shock. Consult the store of purchase.

Do not disassemble, change or repair the camera.
This might cause fire or electric shock. For repair or internal inspection, ask the store of purchase.

Use the correct AC adapter only(available from Vivitar Corporation) with the indicated power supply voltage.
Use with any other power supply voltage might cause fire or electric shock.

Do not use the camera in areas near water.
This might cause fire or electric shock. Take special care during rain, snow, on the beach, or near the shore.

Do not place the camera on inclined or unstable surfaces.
This might cause the camera to fall or tilt over, causing injury.

Keep the batteries out of the reach of children.
Swallowing batteries might cause poisoning. If the battery is accidentally swallowed, immediately consult a physician.

Do not use the camera while you are walking, driving or riding a motorcycle.
This might cause you to fall over or result in traffic accident.

■ WARNING: Handling the USB and AV cables on this product may expose you to lead, a chemical known to the State of California to cause birth defects or other reproductive harm. *Wash hands after handling.*

Cautions

Insert the batteries paying careful attention to the polarity (+ or –) of the terminals. Inserting the batteries with its polarities inverted might cause fire and injury, or damage to the surrounding areas due to the battery rupturing or leaking.

Do not fire the flash close to anyone's eyes.
This might cause damage to the person's eyesight.

Do not subject the LCD monitor to impact.
This might damage the glass on the screen or cause the internal fluid to leak. If the inter nal fluid enters your eyes or comes into contact with your body or clothes, rinse with fresh water. If the internal fluid has entered your eyes, consult a physician to receive treatment.

A camera is a precision instrument. Do not drop it, strike it or use excessive force when handling the camera.
This might cause damage to the camera.

Do not use the camera in humid, steamy, smoky, or dusty places.
This might cause fire or electric shock.

Do not remove the battery immediately after long period of continuous use.
The battery becomes hot during use. Touching a hot battery might cause burns.

Do not wrap the camera or place it in cloth or blankets.
This might cause heat to build up and deform the case, resulting in fire. Use the camera in a well-ventilated place.

Do not leave the camera in places where the temperature may rise significantly, such as inside a car.
This might adversely affect the case or the parts inside, resulting in fire.

Before you move the camera, disconnect cords and cables.
Failure to do this might damage cords and cables, resulting in fire and electric shock.

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INTRODUCTION

Overview

Your new ViviCam 3915 delivers high quality, 2560 x 1920 resolution images using a 5.0 Megapixel CCD sensor. Using either the optical viewfinder or the color image LCD monitor, you can compose images and then examine them in detail. An auto-flash sensor automatically detects the shooting (lighting) conditions and determines whether the flash should be used. This feature helps ensure the quality of your images.

Internal (built-in) memory lets you capture and store images without the need for additional memory. However, you may wish to expand the memory capacity by using an external memory card.

In addition to still images, you can record short videos by using the movie function.

Images you have taken can be downloaded to your computer using the USB cable (A USB driver is required for Win 98). You can enhance and retouch your images on your computer by using the provided editing software, or image editing software you may already own. You may share your images with your friends via e-mail, in a report, or on a website.

Package Contents

Carefully unpack your ViviCam 3915 and ensure that you have the following items. In the event that any item is missing or if you find any mismatch or damage, promptly contact to your dealer.

- Digital Camera
- User's Manual
- USB Cable
- Video Cable
- Camera Strap
- Software CD-ROM
- 2 AA Batteries
- Camera Pouch

Optional Accessories

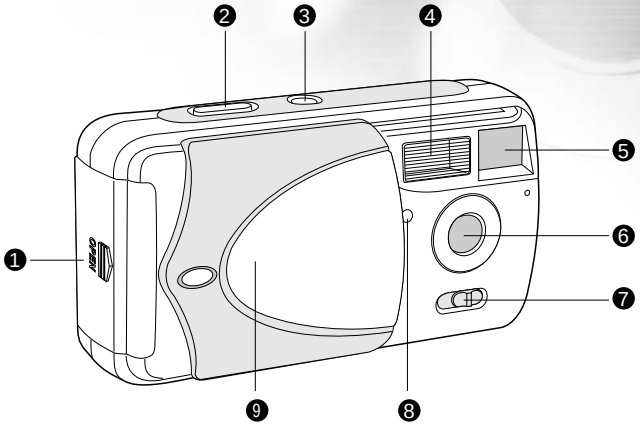
- SD Memory Card
- AC Power Adapter

Note:

- The accessories that come with your ViviCam 3915 may be different from those described in this manual due to the fact that different retailers often specify slightly different product inclusions and accessories to suit their market requirements, customer demographics, and geographical preferences. Products very often vary between retailers especially with accessories such as batteries, chargers, AC adapters, memory cards, cables, carrying cases/pouches, and language support. Occasionally a retailer will specify a unique product color, appearance, and internal memory capacity. Contact your dealer for precise product definition and included accessories.

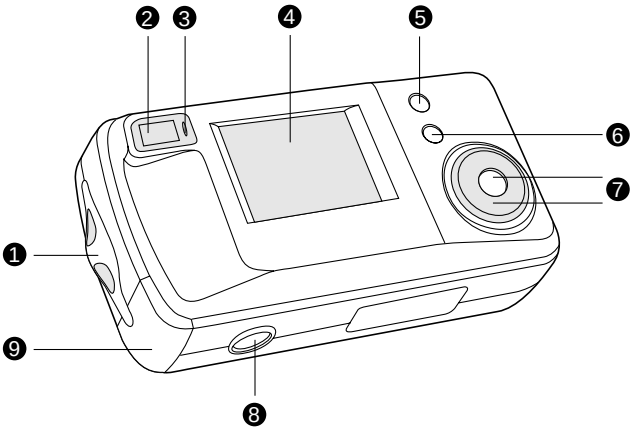
COMPONENTS GUIDE

Front View



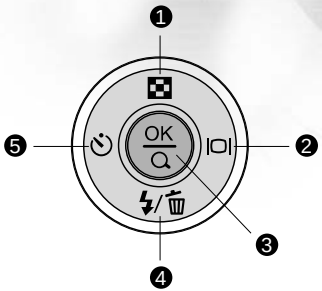
1. Battery/SD card cover
2. Shutter button
3. Power button
4. Flash
5. Viewfinder window
6. Lens
7. Focus switch
8. Self-timer LED
9. Lens cover

Rear View



1. Strap eyelet
2. Viewfinder
3. LED indicator
4. LCD monitor
5. MODE button
6. MENU button
7. Multi-Selector
8. Tripod socket
9. Port cover
   USB/VIDEO Out
   DC-IN

Multi-Selector Panel



1. ▲	Arrow button (Up)
	Thumbnail button
2. ▶	Arrow button (Right)
	Display button
3. OK	OK button
	Digital zoom button
4. ▼	Arrow button (Down)
	Flash button
	Delete button
5. ◀	Arrow button (Left)
	Self-timer

LED Indicators

Indicator	Status	Description/Activity	Sound
LED indicator	Solid red	The ViviCam 3915 is powering up	No
LED indicator	Solid green	The ViviCam 3915 is powered and ready	Yes *(1)
LED indicator	Blinking red	Camera error	Yes *(3)
LED indicator	Blinking red	Charging the flash	No
LED indicator	Solid green	Image is being recorded to the memory card	No
LED indicator	Solid red	USB communication/transfer in progress	No
LED indicator	Solid green	The ViviCam 3915 is ready to record images (or movies)	Yes *(1)
Self-timer indicator	Blinking red	The self-timer function is activated	No
----	----	Error message	Yes *(3)
----	----	Valid button event	Yes *(1)

- (1) The ViviCam 3915 sounds one beep.
- (3) The ViviCam 3915 sounds three beeps.

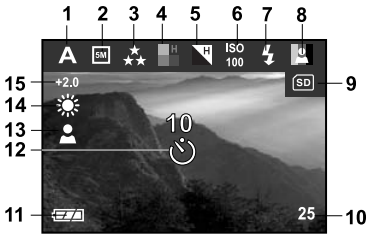
Scene Modes

Select the scene mode suitable for the occasion or situation.

Mode	Description
1. [A] Auto mode	Select this option to leave all the adjustments to the camera and capture images casually.
2. [ ] Sports mode	Select this option to capture fast-moving subjects.
3. [ ] Night Scene mode	Select this option to capture images of people against dark or night-time background.
4. [ ] Portrait mode	Select this option to make people stand out with the background out-of-focus.
5. [ ] Landscape mode	Select this option to capture images of distant scenery or landscapes.
6. [ ] Back Light mode	Select this option to brighten subjects that are backlit and would come out dark if no flash was used.

LCD Monitor Information

These indicators are displayed when recording still images:



1. Scene mode
[A] Auto mode
[ ] Sports mode
[ ] Night Scene mode
[ ] Portrait mode
[ ] Landscape mode
[ ] Back Light mode

2. Image resolution
[5M] 2560X1920
[3M] 2048X1536
[2M] 1600X1200
[1.2M]1280X960
[0.3M] 640X480

3. Image quality
[ ] Fine
[ ] Normal
[★] Economy

4. Saturation
[H] High
[ ] Medium
[L] Low

5. Sharpness
[H] High
[ ] Medium
[L] Low

6. ISO speed
(no indication for Auto)
Auto
[ISO 100] 100
[ISO 200] 200

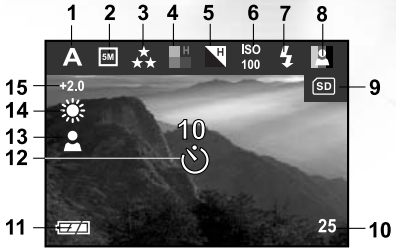
7. Flash mode
[ ] Fill flash (on)
[ ] Flash off
[A] Automatic flash
[A] Red-eye reduction

8. Color mode
[ ] Full Color
[ ] Black & White
[ ] Sepia

9. [SD] Card indicator

10. Remaining pictures

These indicators are displayed when recording still images:



11. [ ] Adapter indicator/
Battery level
[ ] Fully battery level
[ ] Fairly consumed
[ ] Nearly exhausted
[ ] Virtually no battery power

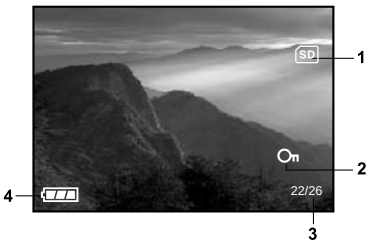
12. [ ] Self-timer mode

13. [ ] Portrait mode icon

14. White balance
(no indication for auto white balance)
Auto
[ ] Daylight
[ ] Cloudy
[ ] Sunset
[ ] Tungsten
[ ] Fluorescent

15. EV compensation

These indicators are displayed when playing images back:



1. [SD] Card indicator
2. [⚷] Protect indicator
3. Current image/total number of images
4. [▬] Adapter indicator/
   Battery level
   [▰] Fully battery level
   [▰] Fairly consumed
   [▭] Nearly exhausted
   [▭] Virtually no battery power

These indicators are displayed when recording video clips:

1. Movie mode
2. Recording indicator
3. Video counter
4. [SD] Card indicator
5. [ ] Adapter indicator/ Battery level
   - [ ] Fully battery level
   - [ ] Fairly consumed
   - [ ] Nearly exhausted
   - [ ] Virtually no battery power
6. [ ] Portrait mode icon

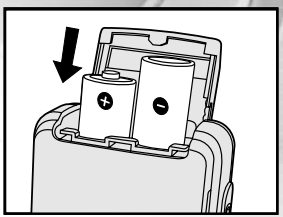
These indicators are displayed when playing video clips back:

1.Recorded time
2.[SD] Card indicator
3. [⇄] Adapter indicator/
Battery level
[▰▰▰] Fully battery level
[▰▰▱] Fairly consumed
[▰▱▱] Nearly exhausted
[▱▱▱] Virtually no battery power

PREPARING YOUR VIVICAM 3915

Installing the Batteries

You can use 2 AA size batteries (either Ni-MH or Alkaline) to power your camera. NiMH rechargeable batteries offer improved performance and economy. Battery power is convenient for capturing images or recording video clips.



1. Make sure your ViviCam 3915 is off.
2. Slide the battery/SD card cover in the direction of the arrow.
3. Insert the batteries noting the correct polarity marks (+ or -).
4. Close the battery/SD card cover and slide into locked position.

Notes on Battery Usage

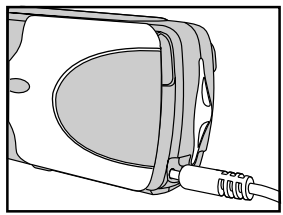
When you use AA batteries, carefully read and strictly observe the Safety Instructions and the notes described below:

- Different battery types and surrounding temperatures may affect the battery performance.
- Avoid using batteries in extremely cold environments as low temperatures can shorten the battery life and reduce camera performance. This low temperature will also influence Alkaline battery performance, therefore Ni-MH rechargeable battery is highly recommended.
- If you are using the new rechargeable batteries or rechargeable batteries that have not been used for an extended period of time (batteries that pass the expiry date are exceptions) might affect the number of pictures that can be taken. Therefore, to maximize their performance and lifetime, we recommend that you fully charge the batteries and discharge them for at least one complete cycle before use.
- The battery may feel warm when using the camera for an extended period of time or using the flash continuously. This is normal and not a malfunction.
- The camera may feel warm when being used continuously or for an extended period of time. This is normal and not a malfunction.
- If you will not be using the batteries for an extended period of time, remove them from the camera to prevent leakage or corrosion.
- Never use batteries of different types (together) or mix old and new batteries.
- Always keep the terminals in a clean state.
- Never use manganese batteries.

Using an AC Power Adapter (Optional Accessory available from Vivitar Corporation)

There's another way to power your ViviCam 3915–using an AC power adapter. AC power is recommended for long periods of continuous use or for transferring images to your computer if not using freshly charged Ni-MH batteries.

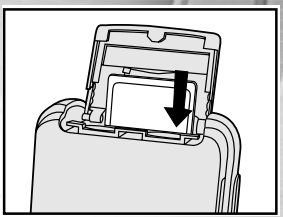
1. Make sure your ViviCam 3915 is off.
2. Open the port cover and connect one end of the AC power adapter to the jack labeled "DC IN".
3. Connect the other end to an electrical outlet.



Note:

- Make sure to use only the AC power adapter specified for the ViviCam 3915. Damage caused by the use of an incorrect adapter is not covered under the warranty.
- To prevent unexpected auto power off resulting from no battery power left during the process of transferring your images to the computer, use the AC power adapter as a power supply.
- Batteries are not charged while the AC power adapter is being used to run the ViviCam 3915.

Loading an SD Memory Card (Optional Accessory)

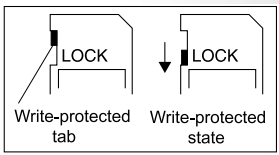


Your camera comes with internal memory, allowing you to store images and video clips in the ViviCam 3915. However, you can expand the memory capacity by using an SD memory card. Optional SD memory cards provide removable, reusable storage for images and video clips.

1. Make sure your ViviCam 3915 is off.
2. Open the SD card/battery cover.
3. Insert the SD memory card.
   - If the card cannot be inserted, check the orientation.
4. Close the SD card/battery cover.

Note:

- To prevent valuable data from being accidentally erased from an SD memory card you can slide the write protect tab (on the side of the SD memory card) to “LOCK”.
- To save, edit, or erase data on an SD memory card, you must unlock the card.
- If a memory card is present in the camera; the camera will automatically use the card in preference to internal memory.
- Be sure to format the memory card with this camera before its initial usage.



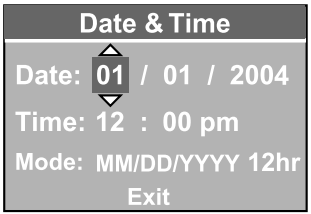
To remove an SD memory card

1. Make sure your ViviCam 3915 is off.
2. Open the SD card/battery cover.
3. Press lightly on the edge of the memory card and it will eject.

Note:

- Memory cards may become warm during use; observe caution when removing memory cards.
- When a memory card is removed from the camera; the camera will automatically revert to using internal memory.

Setting the Date and Time



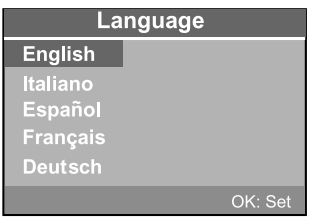
The Date/Time screen will be presented if/when:

- The ViviCam 3915 is turned on for the first time.
- The ViviCam 3915 is turned on after removing the batteries/AC power adapter for a long period of time.

When the date and time setting screen appears, follow these steps to set the correct date and time. You may skip this procedure by pressing Exit.

1. Enter the values of the year, month, day and the time by using the ▲ / ▼ / ◀ / ▶ buttons.
   - To increase the value, press the ▲ button.
   - To decrease the value, press the ▼ button.
2. Press the OK button after all fields are set.

Choosing the Language



When you turn on the ViviCam 3915 for the first time, the language setting screen appears, prompting you to choose a language for displayed information and the LCD monitor. Follow the steps below to set the OSD (On-Screen Display) language.

1. Select a language that you prefer by using the ▲ / ▼ buttons.
2. Press the OK button to confirm.

Note:

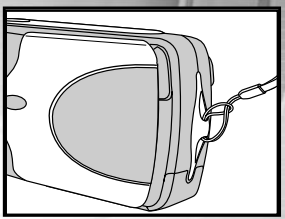
- The language setting will be retained even if the ViviCam 3915 is turned off.

Attaching the Camera Strap

To prevent accidentally dropping your camera, always use the camera strap.

Attach the camera strap as follows:

1. Thread the small loop of the strap through the strap eyelet on the camera.
2. Pull the large loop through the small loop until the strap is firmly secured.



BASIC FUNCTIONS

Turning the Power On

1. Press and hold the POWER button for two seconds to turn on the camera.
- The LED indicator lights red while the camera is initialized.
- Open the lens cover

Note:
- If lens cover is not opened while turning on the camera, a prompt will appear on the LCD monitor.

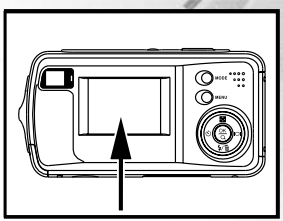
Turning the Power Off

Press the POWER button again to turn off the camera.

Using the LCD Monitor

The LCD monitor can help you to compose an image while capturing images, replay recorded images/video clips, and adjust camera settings.
The mode icons, text and numbers that are displayed on the LCD monitor may vary according to the current settings.

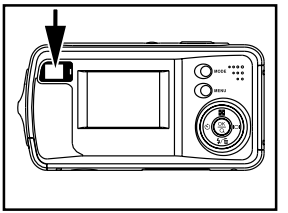
1. Open the lens cover and press the POWER button to turn on your ViviCam 3915.
2. Set the scene mode in the Capture menu based on the desired scenery. (Auto/Sports/Night Scene/Portrait/Landscape/Back Light).
3. Compose your image on the LCD monitor.
4. Press the shutter button.



Note:

- In the Capture mode, pressing the [ ]display button will select OSD Off/LCD Off/LCD On.
- The LCD monitor is difficult to see in strong sunlight. This is not a malfunction.
- Using the LCD monitor for an extended period of time will decrease the number of images you can capture. To conserve battery power and increase the number of images you can capture, we recommend you to turn the LCD monitor off and use the viewfinder instead.
- Always use the LCD monitor for Portrait shots to avoid parallax effects.
- In [ ] Movie mode the LCD monitor cannot be turned off.
- The LCD monitor must be on to use Digital Zoom.

Using the Optical Viewfinder to Shoot



Your camera is also equipped with an optical viewfinder to compose images. Capturing images by using the optical viewfinder will conserve battery power. The LCD monitor can help you accurately compose the pictures and examine all the details, but using it may also consume more battery power.

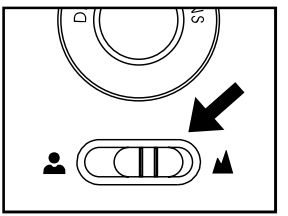
1. Open the lens cover and press the POWER button to turn on your ViviCam 3915.
2. Set the scene mode in the Capture menu based on the desired scenery. (Auto/Sports/Night Scene/Portrait/Landscape/Back Light).
3. Compose your image in the viewfinder.
4. Press the shutter button.

E

Landscape-Focus Mode

Landscape-focus mode is used to capture images where the distance to the subject is 5 feet or greater. Select this mode for general shooting.

F



1. Open the lens cover and press the POWER button to turn on your ViviCam 3915.
2. Slide the focus switch located on the front side of the camera to the [▲] position.
3. Compose your image.
4. Press the shutter button.

G

S

Digital Zoom

Using digital zoom, images appear closer. Whereas digital zoom is a compelling feature, the more an image is enlarged (zoomed), the more pixilated (grainier) the image will appear. The digital zoom function is only available when you set the LCD monitor ON.

1. Open the lens cover and press the POWER button to turn on your ViviCam 3915.
2. Set the scene mode in the Capture menu based on the desired scenery. (Auto/Sports/Night Scene/Portrait/Landscape/Back Light).
3. Press the OK button to activate the zoom function. The surrounding field will appear darker.
   - You may zoom digitally to 2X.
   - To exit digital zoom, press the OK button again.
4. Press the shutter button to capture a “zoomed” image.

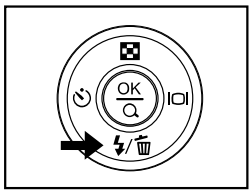
Note:

- You can only use digital zoom at a resolution of 2560 x 1920 ; digital zoom is not available at the resolutions of 2048 x 1536, 1600 x 1200, 1280 x 960, or 640 x 480 pixels.
- You may playback an image of any size and zoom in upon it.
- Digital zoom cannot be used in [ ] Movie mode.

Using the Flash

The flash is designed to function automatically when lighting conditions warrant the use of flash. You can capture an image using a flash mode suitable to your circumstances. If you change the flash mode, the ViviCam 3915 will retain that setting even if the camera is turned off.

1. Open the lens cover and press the POWER button to turn on your ViviCam 3915.
2. Set the scene mode in the Capture menu based on the desired scenery. (Auto/Sports/Night Scene/Portrait/Landscape/Back Light).
3. Press the [ϟ] button located on the rear side of the camera repeatedly until the desired flash mode icon appears on the LCD monitor.
4. Compose your image and press the shutter button.



The ViviCam 3915 has four flash modes: Automatic, On (Fill flash), Off, automatic with Red-eye reduction.

The table below will help to select the appropriate flash mode:

Flash Mode	Description
[ ] Fill flash (on)	The flash will always fire regardless of the lighting conditions. Select this mode for capturing images with high contrast (backlighting) and deep shadows.
[ ] Flash off	The flash will not fire. Select this mode when capturing images in a place where flash photography is prohibited, or when the distance to the subject is beyond the effective range of the flash.(Typically 12 feet)
[ ] Automatic flash	The flash fires automatically according to the ambient lighting conditions. Select this mode for general photography.
[ ] Red-eye reduction	The flash emits a precursor-flash before the main flash fires. This causes the pupil in the human eye to constrict, reducing the red-eye phenomenon. Select this mode when capturing images of people and animals in low-light conditions.

Note:

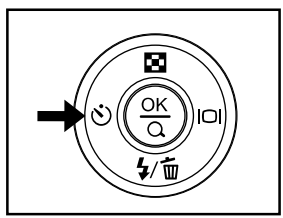
- When selecting the [ ] / [ ] as the Scene mode, flash photography is not possible.
- When selecting the [ ] / [ ] as the Scene mode, flash mode defaults to [ ].
- Flash mode is automatically set to [ ] while the focus mode is switched to [ ].

Self-Timer

By using the [ ] self-timer you can get into the scene when capturing group shots. You can capture images with the self-timer in any scene mode (Auto/Sports/Night Scene/Portrait/Landscape/Back Light).

Self-timer duration can be set to 10 seconds or 5 seconds. Self-timer mode appears cyclically as [10 s]→[5 s]→[Display Off]. After the self-timer is set, the shutter automatically releases after 10 seconds or 5 seconds. The self-timer lamp starts blinking relatively slow for the first 7 seconds or the first 2 seconds and then blinks rapidly for the last 3 seconds.

1. Secure the camera to a tripod or place it on a stable surface.
2. Open the lens cover and press the POWER button to turn on your camera.
3. Set the scene mode in the Capture menu based on the desired scenery. (Auto/Sports/Night Scene/Portrait/Landscape/Back Light).
4. Compose your image.
5. Press the [ ] self-timer button.
6. Press the shutter button.
   - The count down is displayed on the LCD monitor.
   - To cancel the self-timer, press the [ ] button to disrupt the sequence.



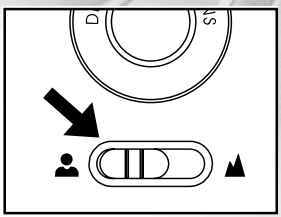
Note:

- In Capture mode, press the ◀ button to set self-timer ON.
- After each self-timed image is captured, the self-timer is turned OFF.

Portrait-Focus Mode

Use [ ] Portrait-Focus mode to capture close-ups of subjects such as flowers or insects. The effective range is between 2.5 and 5 feet.

1. Open the lens cover and press the POWER button to turn on your ViviCam 3915.
2. Slide the focus switch located on the front side of the camera to the [ ] position.
   - LCD monitor will display [ ] as Portrait-Focus mode.
3. Compose your image.
4. Press the shutter button.
   - To disable portrait photography, slide the focus switch back to the [ ] Landscape-Focus mode.



Note:

- When shooting a close-up in the [ ] Portrait-Focus mode, use the image LCD monitor to compose your image, avoiding the off-center parallax phenomenon.
- In [ ] Portrait-Focus mode, EV compensation, Scene mode and ISO speed cannot be set.
- In [ ] Portrait-Focus mode, Flash mode is automatically set to [ ] Flash off.
- After a portrait shot is taken DO NOT FORGET to reset the lens to the [ ] Landscape-Focus position.

Setting Image Resolution and Quality

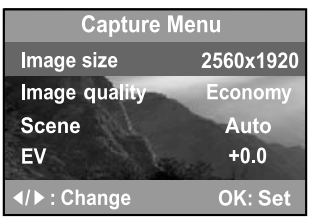
Resolution and quality settings determine the pixel size (dimension), image file size, and compression ratio for your images. These settings affect the number of images that can be stored in memory, or on an SD memory card. As you get to know the ViviCam 3915, it is recommended that you try each quality and resolution setting to get an appreciation for the effects that these settings will have on your images.

Higher resolution and higher quality images offer the best photographic results but produce large files sizes. Therefore, fewer images will take up more memory space.

High resolution and quality settings are recommended for printed output and situations requiring the finest detail. Lower resolution/quality images take up less memory space and may be quite suitable for sharing images via e-mail, in a report, or on a web page.

To change image resolution or quality settings perform the steps below:

1. Open the lens cover and press the POWER button to turn on your ViviCam 3915.
2. Press the MENU button to enter the Capture menu and select Image size or Image quality by using the ▲ / ▼ button.
3. Set Image size or Image quality by pressing the ◀ / ▶ button in the main menu or press the (OK) button to enter the sub-menu, then press the (OK) button to confirm the setting.
4. To exit the Capture menu, press the MENU button again.



Number of Recordable Images

The frame counter indicates the approximate number of images that can be stored on the internal memory or the SD memory card at the ViviCam 3915's image quality and size settings. The number of recordable images may vary depending on the recorded subject and the capacity of the memory card, or if there are files other than images, or when the recording is made while switching the picture quality/resolution.

Resolution	Quality	Compression Ratio	16MB (approx.) Internal Memory	8MB SD Memory Card	16MB SD Memory Card	32MB SD Memory Card	64MB SD Memory Card	128MB SD Memory Card	256MB SD Memory Card
2560 x 1920 5M	★★★	Fine	11	5	11	24	50	102	205
	★★	Normal	17	8	17	37	76	153	308
	★	Economy	23	10	23	49	101	204	411
2048 x 1536 3M	★★★	Fine	18	8	18	38	79	159	321
	★★	Normal	28	12	27	58	118	239	482
	★	Economy	37	17	37	77	158	319	642
1600 x 1200 2M	★★★	Fine	30	14	30	63	129	262	526
	★★	Normal	45	21	45	95	194	393	789
	★	Economy	61	28	60	127	259	524	1503
1280 x 960 1.2M	★★★	Fine	47	21	47	99	202	409	822
	★★	Normal	71	32	71	148	304	614	1234
	★	Economy	95	43	95	198	405	818	1645
640 x 480 0.3M	★★★	Fine	191	87	190	397	810	1637	3291
	★★	Normal	286	131	285	595	1216	2456	4936
	★	Economy	382	175	381	794	1621	3275	6582

* The above data shows the standard testing results. The actual capacity varies according to the shooting conditions and settings.

SHOOTING-MODES

Automatic Mode

Using [A] Automatic the majority of the settings are adjusted by the camera. Simply point at your subject and then shoot.

1. Open the lens cover and press the POWER button to turn on your camera.
2. Press the MENU button to enter the Capture menu and select Scene by using the ▲ / ▼ button.
3. To select [Auto] mode, the setting can be set by pressing the ◀ / ▶ button in the main menu or press the (OK) button to enter the sub-menu, then press the (OK) button again to confirm the setting.
4. To exit the Capture menu, press the MENU button again.
   - LCD monitor will display [A] as Auto mode icon.

Note:

- The camera is shipped from the factory in [A] Auto mode.
- For other settings like Language, Power Off time or others choose Setup in the Capture menu.

Sports Mode

For dynamic action choose the [ ] Sports mode. This feature allows you to capture moving subjects continuously. (16 images can be captured continuously in a burst over an interval of 1.6 sec. to 2 sec.).

1. Open the lens cover and press the POWER button to turn on your camera.
2. Press the MENU button to enter the Capture menu and select Scene by using the ▲ / ▼ button.
3. To select [ ] Sports mode, the setting can be set by pressing the ◀ / ▶ button in the main menu or press the OK button to enter the sub-menu, then press the OK button again to confirm the setting.
4. To exit the Capture menu, press the MENU button again.
   - LCD monitor will display [ ] as Sports mode icon.

Note:

- In [ ] Sports mode, ISO speed cannot be set.
- In [ ] Sports mode, Flash mode is automatically set to OFF.
- For other settings like Language, Power Off time or others choose Setup in the Capture menu.

Night Scene Mode

Capturing your subjects by using [ ] Night Scene mode helps to provide a natural balance between the main subject and the background. The people in an evening sky or night scene are illuminated with the flash while the background is captured at a slow shutter speed providing proper exposure for both.

1. Open the lens cover and press the POWER button to turn on your camera.
2. Press the MENU button to enter the Capture menu and select Scene by using the ▲ / ▼ button.
3. To select [ ] Night Scene mode the setting can be set by pressing the ◀ / ▶ button in the main menu or press the OK button to enter the sub-menu, then press the OK button again to confirm the setting.
4. To exit the Capture menu, press the MENU button again.
   - LCD monitor will display [ ] as Night Scene mode icon.

Note:

- In [ ] Night Scene mode, the flash will automatically detect the ambient lighting. If the surrounding brightness is low, the flash will set to [ ] Red-eye reduction mode.
- In [ ] Night Scene mode, ISO speed cannot be set.
- For other settings like Language, Power Off time or others choose Setup in the Capture menu.

Portrait Mode

Capturing images by selecting [ ] Portrait mode helps you to compose portraits in which the main subject stands out against background details.

1. Open the lens cover and press the POWER button to turn on your camera.
2. Press the MENU button to enter the Capture menu and select Scene by using the ▲ / ▼ button.
3. Select [ ] Portrait mode by pressing the ◀ / ▶ button in the main menu or press the OK button to enter the sub-menu, then press the OK button to confirm the setting.
4. To exit the Capture menu, press the MENU button again.
   - LCD monitor will display [ ] as Portrait mode icon.

Note:

- In [ ] Portrait mode, ISO speed cannot be set.
- In [ ] Portrait mode, in a dark or night-time background, Flash mode defaults to [ ] Red-eye reduction.
- For other settings like Language, Power Off time or others choose Setup in the Capture menu.

Landscape Mode

Capturing images by choosing [▲] Landscape mode helps you to capture vivid and expansive landscape images by enhancing the image's color and saturation. [▲] Landscape mode is used when the distance to the subject is greater than 5 feet.

1. Open the lens cover and press the POWER button to turn on your camera.
2. Press the MENU button to enter the Capture menu and select Scene by using the ▲ / ▼ button.
3. Select [▲] Landscape mode by pressing the ◀ / ▶ button in the main menu or press the OK button to enter the sub-menu, then press the OK button again to confirm the setting.
4. To exit the Capture menu, press the MENU button again.
   - LCD monitor will display [▲] as Landscape mode icon.

Note:

- In [▲] Landscape mode, ISO speed cannot be set.
- In [▲] Landscape mode, Flash mode is automatically set to [⚡] Flash off.
- For other settings like Language, Power Off time or others choose Setup in the Capture menu.

Back Light Mode

Use [ ] Back Light mode is useful when there is light behind your subject, throwing desired features into shadow, or when your subject is in the shade but the background is brightly lit.

1. Open the lens cover and press the POWER button to turn on your camera.
2. Press the MENU button to enter the Capture menu and select Scene by using the ▲ / ▼ button.
3. Select [ ] Back Light mode by pressing the ◀ / ▶ button in the main menu or press the OK button to enter the sub-menu, then press the OK button again to confirm the setting.
4. To exit the Capture menu, press the MENU button again.
   - LCD monitor will display [ ] as Back Light mode icon.

Note:

- In [ ] Back Light mode, Flash mode defaults to [ ] Fill flash (on).
- In [ ] Back Light mode, ISO speed cannot be set.
- For other settings like Language, Power Off time or others choose Setup in the Capture menu.

Movie Mode

[🎥] Movie mode allows you to record silent video clips at a resolution of 320X240 pixels.

1. Open the lens cover and press the POWER button to turn on your camera.
2. Press the MODE button to enter the [🎥] Movie mode.
3. Start recording a video clip by pressing the shutter button.
   - The movie icon, REC , elapsed time, the card indicator, portrait mode icon and the adapter/battery level will display on the LCD monitor while recording a video clip.
   - To stop recording, press the shutter button again.

Note:

- In [🎥] Movie mode, the flash mode is automatically set to [⚡] OFF.
- You may adjust EV or White balance prior to capturing a Video Clip.

IMAGE PLAYBACK

In [▶] Playback mode you can view your images and video clips. You can even magnify (zoom in on) your images. Playback mode provides a thumbnail image display function that allows you to quickly search for the image that you want. You may view your images in a slideshow.

Single Image Replay

To Play back still images one image at a time.

1. Open the lens cover and press the POWER button to turn on your camera.
2. Press twice the MODE button to enter [▶] Playback mode.
   - The last recorded image appears on the LCD.
3. View and select your recorded images by using the ◀ / ▶ button.
   - To view the previous image, press the ◀ button.
   - To view the next image, press the ▶ button.

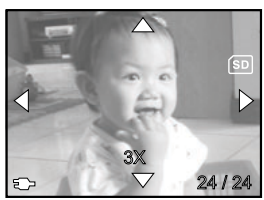
Note:

- To exit [▶] Playback mode, press the MODE button.
- If there is no image stored in the internal memory or on the memory card, [No Image] appears on the LCD monitor.

Playback Zoom

While reviewing your images, you may enlarge a selected portion of an image. This magnification capability allows you to view fine details.

1. Open the lens cover and press the POWER button to turn on your camera.
2. Press the MODE button twice to enter [▶] Playback mode.
   - The last image frame appears on the LCD monitor.
3. Select an image by using the ◀ / ▶ button.
4. Enlarge the image by toggling the OK button.
5. Use the ▲ / ▼ / ◀ / ▶ button to select the area to enlarge.
6. To return to the regular display from 4X-enlarged status, press the OK button.



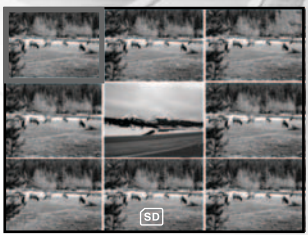
Note:

- Each press of the OK button, the modes switch cyclically: 1X—>2X—>3X—>4X—>1X.

Viewing up to Nine Images at a Time

This function allows you to view nine thumbnail images on the LCD monitor simultaneously so that you can quickly scan for a particular image.

1. Open the lens cover and press the POWER button to turn on your camera.
2. Press twice the MODE button to enter [▶] Playback mode.
3. Press the [▦] thumbnail button and nine thumbnail images appear on the LCD monitor. (Assuming there are nine or more recorded images in the memory.)
4. Use the ▲ / ▼ / ◀ / ▶ button to move the cursor to select the image to be displayed at regular size.
5. Press the OK button to display the selected image on the full screen.



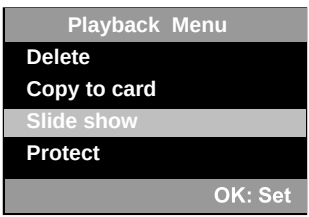
Viewing Video Clips

To view recorded video clips, follow the steps below:

1. Open the lens cover and press the POWER button to turn on your camera.
2. Press twice the MODE button to enter [▶] Playback mode.
3. Select the video clip that you want to view by using the ◀ / ▶ button.

Slide Show

The Slide show function enables you to play your images back automatically in sequential order as a slide show. This is a very useful and entertaining feature for reviewing recorded images and for presentations.



1. Open the lens cover and press the POWER button to turn on your camera.
2. Press twice the MODE button to enter [▶] Playback mode. Then press the MENU button to enter the Playback menu.
3. Select “Slide show” by using the ▲ / ▼ button then press the OK button to enter the sub-menu.
4. Set the playback interval by using the ▲ or ▼ button and press the OK button to confirm.
   - The slideshow starts displaying your images on the LCD, one by one, at the interval you set.
   - To stop the slideshow display, press the OK button.

Note:

- To exit playback (slide show) you may choose Exit from the Slide show menu.
- You can adjust the slideshow display interval from [1 sec.], [3 sec.], [6 sec.] or [10 sec.].

Protecting Images

This feature allows you to prevent images from being accidentally erased.

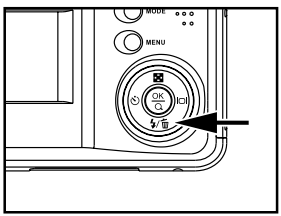
1. Open the lens cover and press the POWER button to turn on your camera.
2. Press twice the MODE button to enter [▶] Playback mode. Then press the MENU button to enter the Playback menu.
3. Select Protect by using the ▲ / ▼ button, and press the OK button.
4. You can protect one image or all images at one time by using the ▲ / ▼ button , and press the OK button.
   - Protect One: Protect one image
   - Protect All: Protect all images
5. Select “UNLOCK” or “LOCK” by using the ▲ / ▼ button.
   - Unlock: Unlock the protected image.
   - Lock: Protect the selected image or all images.
6. Press the OK button again to confirm the setting.

ERASING

Deleting Images and Video Clips

You can delete a captured image or a recorded video clip at a time by pressing the [🗑] delete button.

1. Open the lens cover and press the POWER button to turn on your camera.
2. Press continuously the MODE button to enter [▶] Playback mode.
   - The last image frame appears on the LCD monitor.
3. View and select unwanted image by using the ◀ / ▶ button, then press the [🗑] delete button.
4. Continue the deletion if necessary.
   - If all images are deleted, [No Image] will pop up.
   - To exit the deletion, press again the MODE button again.

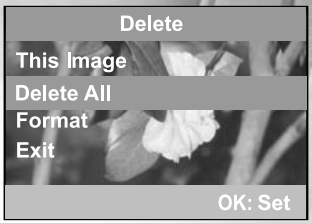


Note:

- Please note that deleted images cannot be recovered. Exercise adequate caution before deleting a file.
- Protected images cannot be deleted with the erase function.

Deleting All Images and Video Clips

1. Open the lens cover and press the POWER button to turn on your camera.
2. Press twice the MODE button to enter [▶] Playback mode. Then press the MENU button to enter the Playback menu.
3. Select Delete by using the ▲ / ▼ button, and press the OK button.
4. Select [Delete All] by using the ▲ / ▼ button, then press the OK button to confirm the deletion.



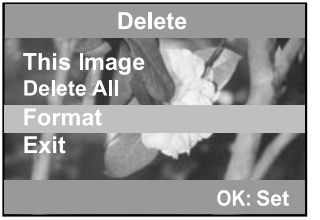
Note:

- Please be aware of that deleted images cannot be recovered. Exercise adequate caution before deleting a file.
- Protected images cannot be deleted with the erase function.
- If a memory card is present; the camera will automatically use the card in preference to internal memory.

Formatting an SD Memory Card or Internal Memory

Formatting an SD card or internal memory will erase all the images on the SD memory card/internal memory and recover the used memory space..

1. Open the lens cover and press the POWER button to turn on your camera.
2. Press twice the MODE button to enter [▶] Playback mode. Then press the MENU button to enter the Playback menu.
3. Select Delete by using the ▲ / ▼ button, and press the OK button.
4. Select [Format] by using the ▲ / ▼ button, and press the OK button.
5. If you want to format the SD memory card or the internal memory choose [Yes] by pressing the ▲ / ▼ button, then press the OK button to confirm.
   - To cancel the action, select [No] instead.
   - [No Image] pops up after the SD memory card or the internal memory has been formatted.



Note:

- Be sure the SD memory card is properly inserted into the camera before formatting it.
- To format images or video clips recorded in the internal memory, be sure to remove your SD memory card first.
- Formatting will erase all information (even unrelated data) from the memory/card.

TRANSFERRING IMAGES AND VIDEO CLIPS TO YOUR COMPUTER

You can share recorded images and video clips with your family or friends via e-mail or post them on the Web. Before doing those things, you need to connect the camera to your computer by using the USB cable and then transfer the images and video clips.

To transfer images and video clips from the camera to your computer, follow the steps below:
Step 1: Installing the USB driver (only for Windows 98)
Step 2: Connecting the camera to your computer
Step 3: Downloading images and video clips

	System Requirements (Windows)	System Requirements (Macintosh)
CPU	Pentium 300 MHz processor or higher	PowerPC G3/G4
OS	Windows 98/98SE/Me/2000/XP	OS 9.0 or higher
Memory	128 MB	128 MB
Free Space on Hard Disk	128 MB hard disk space	128 MB hard disk space
Required Devices	CD-ROM Drive, available USB Port	CD-ROM Drive, available USB Port

Step 1: Installing the USB Driver on Windows 98 Computers

The USB driver on the supplied CD-ROM is exclusively for Windows 98. Installing the USB driver on computers running Windows 2000/Me/XP is not necessary. Be sure to install the driver before connecting your camera for the first time.

1. Insert the CD-ROM packaged with the camera into the CD-ROM drive. The welcome screen appears.
2. Click “Install USB Driver”. Follow the on- screen instructions to complete the installation. After the USB driver installation is complete, restart your computer.

Step 2: Connecting the Camera to Your Computer

1. Connect one end of the USB cable to an available USB port on your computer.
2. Connect the other end of the USB cable to the USB connector on the camera.
3. Turn the camera on. Your computers operating system will recognize the camera.
4. From the Windows desktop double click on “My Computer”
5. Look for a new “removable disk” icon. This “ removable disk” is actually the memory (or memory card) in your camera. Typically, the camera will be assigned drive letter “e” or higher.
6. Double click on the removable disk and locate the DCIM folder.
7. Double click on the DCIM folder to open it to find more folders such as “100CAMEA”
8. Your recorded images and video clips will be inside these folders
9. Copy & Paste or Drag-N-Drop image and video files to a folder on your computer

Mac users:
double-click the “untitled” disk drive icon on our desktop. iPhoto may automatically launch. The volume label will vary depending upon whether you use internal camera memory, or a memory card.

Step 3: Downloading Recorded Images and Video Clips

When the camera is turned on and connected to your computer, it is considered to be a disk drive, just like a floppy disk or CD. You can download (transfer) images by copying them from the “removable disk” (“untitled” disk on a Macintosh) to your computer hard drive as described in the prior section.

For Computers Running Windows

Open the “removable disk” and subsequent folders by double clicking on them. Double click on the folder . Your images are inside these folder(s). Select the images that you want, then choose “Copy” from the “Edit” menu. Open the destination location (folder) and choose “Paste” from the “Edit” menu. You may also drag and drop image files from the camera to a desired location.

For Computers Running Mac OS and Desktop/LX

Open the “untitled” disk window and the hard disk or the destination location. Drag and drop from the camera disk to the desired destination.

Note:

- It is recommended that you use the AC power adapter as a power supply for the camera while transferring your images and video clips from the camera to your computer to avoid the camera maybe cut off unexpectedly when the batteries run out.
- Memory card users may prefer to use a memory card reader (highly recommended). Memory card readers offer advantages in terms of convenience, speed, and cost-savings. While connected to your computer the batteries in your camera will be continue to be used. A card reader, which has no batteries and uses USB power from your computer, will save considerably on batteries.

INSTALLING PHOTOSUITE

PhotoSuite is a very user-friendly image-editing program. With PhotoSuite, you can retouch, compose and organize your images. It contains a variety of templates, such as photo frames, birthday cards, calendars and more. Get your images ready and go explore this amazing program.

To Install PhotoSuite

1. Insert the CD-ROM packaged with the camera into the CD-ROM drive. The welcome screen appears.
2. Click “Install PhotoSuite”. Follow the on-screen instructions to complete the installation.

Note:

- For information on how to use PhotoSuite to edit and retouch your recorded images, please refer to its on screen help menu.
- For Windows 2000/XP users, make sure to install and use the PhotoSuite while logged in as a user with an “Administrator” account.
- PhotoSuite is not supported on the Mac. iPhoto or iPhoto2 is recommended.

INSTALLING PHOTOVISTA

PhotoVista is an easy-to-use program that lets you create spectacular 360^0 panoramic images in a snap. When you view these panoramas, you can get the experience of being totally immersed in a realistic environment. PhotoVista's powerful engine quickly and automatically stitches images together, and its intuitive interface will let even a novice get great results in minutes.

To Install PhotoVista

1. Insert the CD-ROM packaged with the camera into the CD-ROM drive. The welcome screen appears.
2. Click "Install PhotoVista". Follow the on-screen instructions to complete the installation.

Note:

- For information on how to use PhotoVista to create spectacular 360^0 panoramic images, please refer to its included help menu..
- For Windows 2000/XP users, make sure to install and use the PhotoVista while logged in as a user with an Administrator account.
- For Windows XP users whose OS version does not include Service Pack 1 or higher, be sure to link to http://www.java.com/en/download/windows_automatic.jsp first and download the Java Virtual Machine installation. For more detail information about Java, please refer to its on-line help at http:java.sun.com/getjava/help.html. After java software installation, you can start to install iSee Media Photovista Panorama.
  Hereunder is iSee Media Photovista Panorama system requirements and recommendations:
  Windows 95/ Windows 98/ Windows NT 4 (Service Pack 3 or higher)
  Windows 2000*/ Windows Me*/ Windows XP* (Service Pack 1 or higher)
- PhotoVista is not supported on the Mac.

INSTALLING ACROBAT READER

The CD-ROM includes a PDF (portable document format) copy of the user's manual. To view a PDF you must have Acrobat Reader installed in your computer. Acrobat Reader is included on the camera CD-ROM. Using Acrobat Reader, you can read the user's manual and print sections of interest.

1. Insert the CD-ROM that came with the camera into the CD-ROM drive. The welcome screen appears.
2. Click "Install Acrobat Reader". Follow the on-screen instructions to complete the installation.

USING THE USER'S MANUAL

A copy of the user's manual on is provided on the CD-ROM in PDF format. It is a backup copy of the printed manual. If you misplace the printed guide, you may print another copy from the CD-ROM. The only requirement for viewing the User Manual on the CD-ROM is that you have Acrobat Reader installed on your computer. Updates to this manual, and versions in other languages may be found on our website.

1. Insert the CD-ROM that came with the camera into the CD-ROM drive. The welcome screen appears.

2. Click "Install User's Manual". Follow the on-screen instructions to complete the installation.
   Alternatively, browse the CD-ROM to find the PDF file.

E

F

G

S

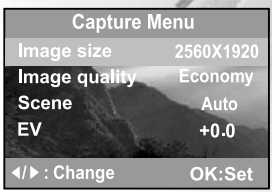
LIST OF MENU OPTIONS

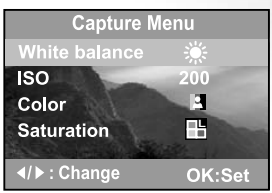
Capture Menu

In the Capture menu, you can specify camera settings you would like to use such as resolution, image quality, EV compensation, white balance, scene mode, ISO, color mode, image saturation and sharpness.

1. Open the lens cover and press the POWER button to turn on your camera.
2. Press the MENU button and then scroll through the options by using the ▲ / ▼ button. You may change the settings by pressing the ◀ / ▶ button in the main menu or press the OK button to enter the sub-menu and choose the setting. After the setting is set, press the OK button to confirm.
3. To exit the Capture menu, press the MENU button again.

Capture menu items: Image size(resolution), Image quality, Scene, EV, White balance, ISO, Color, Saturation, Sharpness, Date Imprint and Setup.





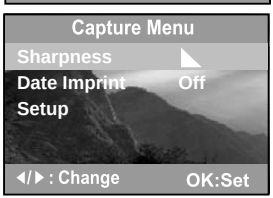


Image size

Refer to “Setting Image Resolution and Quality” in BASIC FUNCTIONS.

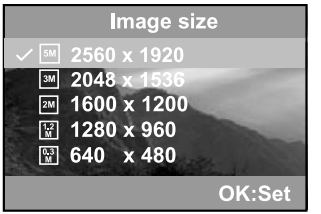
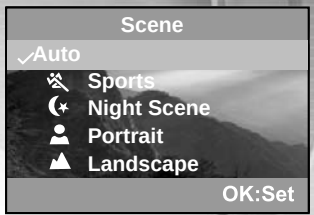


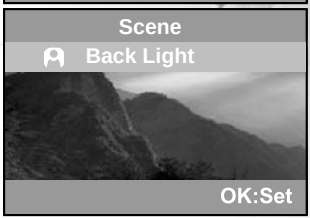
Image quality

Refer to “ Setting Image Resolution and Quality” in BASIC FUNCTIONS.

Scene

Refer to "SHOOTING MODES".





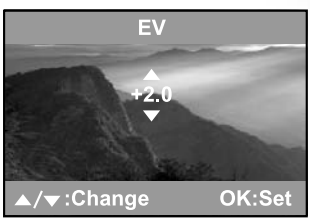
EV

Your ViviCam 3915 adjusts the exposure each scene automatically. However, when the subject is too dark or too bright, you can adjust the exposure manually. This is called EV compensation.
The EV compensation of your camera can be adjusted from [-2.0 EV] to [+2. 0 EV] (in 0.5 EV steps).
To adjust EV, press the ◀ / ▶ button in the main menu or press the (OK) button to enter the sub-menu and choose the setting. After the adjustment is set, press the (OK) button to confirm.

Effective Subjects and Set Values

Positive (+) Compensation
- Copying of printed text (black characters on white paper)
- Backlit portraits
- Very bright scenes (such as snowfields) and highly reflective subjects
- Shots made up predominantly of sky

Negative (-) Compensation
- Spot lighted subjects, particularly against dark backgrounds
- Imaging of printed text (white characters on black paper)
- Scenes with low reflectivity, such as shots of green or dark foliage

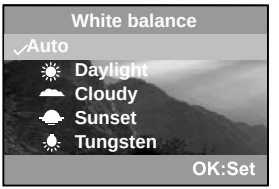


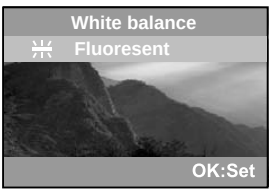
White balance

When the brightness and nature (source) of the light changes, our eyes adapt to the difference so that the white object remains white. Digital still cameras, also see a white object as white by averaging the light around the subject.

The ViviCam 3915 determines the white balance by averaging the various kinds of light that enters the lens. You may specify the white balance when capturing images under specific lighting conditions (Auto, Daylight, Cloudy, Sunset, Tungsten and Fluorescent).

[Auto]: automatically adjusts the white balance.
[Daylight]: for recording outdoors on a bright day.
[Cloudy]: for recording on an overcast day in shade, at twilight.
[Sunset]: for recording at sunset.
[Tungsten]: for recording under tungsten lighting conditions.
[Fluorescent]: for recording under fluorescent lighting conditions.





ISO

Select the photographic ISO to be used for image capture.
The higher the ISO sensitivity value, the greater sensitivity, but the greater the noise. With a higher sensitivity selected, bright photographs can be taken with less light.

Auto adjustment

[ISO 100]: Sensitivity equivalent to ISO100

[ISO 200]: Sensitivity equivalent to ISO200

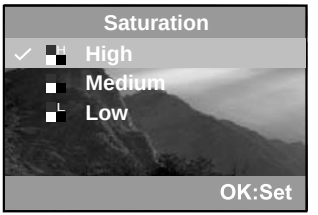
Color Mode

When capturing an image, the ViviCam 3915 offers three types of color (Full color/ Black & White/ Sepia) for you to match as your wish. Your images can be varied by choosing different types of color.

[Full Color]: Bright colors (24 bit RGB)
[Black & White]: Monochrome (grayscale)
[Sepia]: Sepia tones

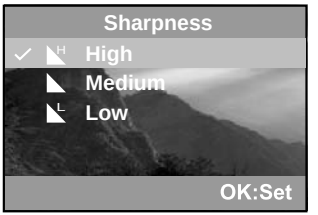
Saturation

When Capturing an image, the ViviCam 3915 offers you three different degrees of color saturation (richness) (High/Medium/Low) to match your preference. Your images will give different impressions by changing the degree of color used in the image.



Sharpness

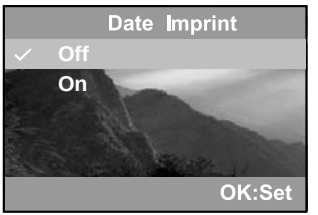
Your ViviCam 3915 can automatically emphasize the borders between light and dark areas of the image. This will make the image's edges look sharper. In some scenes you may prefer sharper edge detail. In other scenes you may prefer softer edge detail.



Date Imprint

If you set imprint function, your image will be displayed with date on it.

[Off]: Date will not be shown on the captured image.
[On]: Date will be shown on the captured image.



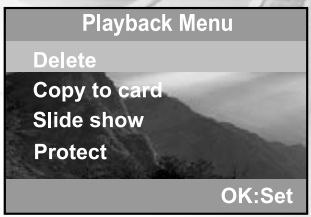
Setup

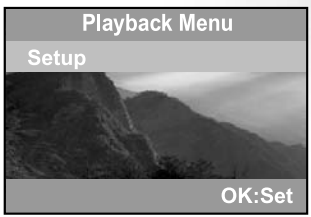
Refer to "Setup Menu" in LIST OF MENU OPTIONS.

Playback Menu

Using the Playback menu you can create an on-camera slide show. You may also delete images,and format your SD memory card or the internal memory.

1. Press the POWER button to turn the camera on.
2. Press the MODE button twice to enter [▶] Playback mode.
   Then press the MENU button to enter Playback menu.
   Scroll through the options by using the ▲ / ▼ button.
3. To enter the sub-menu press the OK button. After settings are set, press again the OK button to confirm.
4. To exit the Playback menu, press the MENU button.





Playback menu items: Delete, Copy to card, Slide show, Protect and Setup.

Delete

Refer to “Deleting Images and Video Clips” in ERASING.

Copy to card

This feature allows you to copy your images/video clips from the camera's memory. This functions is enabled when the SD memory card is loaded and the internal memory contains images/video clips.

Slide show

Refer to “Slide Show” in IMAGE PLAYBACK.

Protect

Refer to “Protecting Images” in IMAGE PLAYBACK.

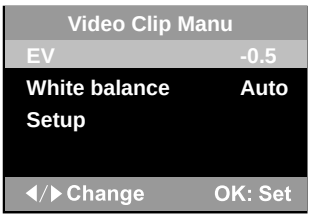
Setup

Refer to “Setup Menu” in LIST OF MENU OPTIONS.

Video Clip Menu

Use the Video Clip menu you can adjust EV compensation, white balance to record video clips with your preferences.

Video Clip menu items: EV, White balance and Setup.



EV

Refer to “Capture Menu” in LIST OF MENU OPTIONS.

White balance

Refer to “Capture Menu” in LIST OF MENU OPTIONS.

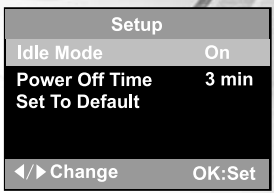
Setup

Refer to “Setup Menu” in LIST OF MENU OPTIONS.

Setup Menu

You can select preference for the camera settings under Setup. Navigate the options you wish to configure by using the ▲ / ▼ button.

Setup menu items: Date & Time, TV, Beeper, Language, Idle Mode, Power Off Time and Set To Default.



Date & Time

Refer to “Setting the Date and Time”

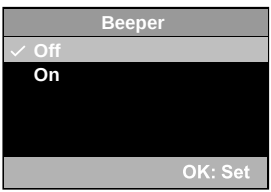
TV

Set the video output format for displaying recorded images on a television.

[NTSC]: Select this format when located in the U.S.A., Canada, Japan, Korea, Taiwan, Central America, or Mexico.
[PAL]: Select this format when located in Australia, Belgium, China, Denmark, Finland, Germany, Great Britain, Holland, Italy, Kuwait, Malaysia, New Zealand, Singapore, Spain, Sweden, Switzerland, Thailand or Norway.

Beeper

Specify whether or not beeps are to be generated when buttons are pressed.



[Off]: Beeps are not generated
[On]: Beeps are generated

Language

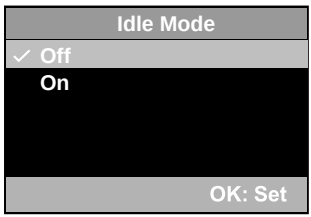
Specify OSD language menus and messages are to be displayed on the LCD monitor.

■ The provided languages are [English], [Italiano], [Español], [Français], [Deutsch], [简体中文]and[繁體中文]

Idle Mode

This feature helps to reduce the power consumption of the LCD monitor. The LCD monitor is automatically turned off after a preset time if this function is activated. Press any button to turn it on when you are ready to shot.

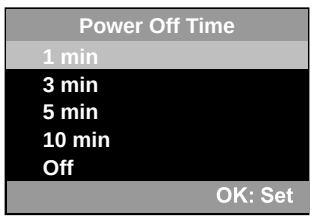
[Off] Power-save mode are disabled
[On] Power-save mode are enabled



Power Off Time

If no operation is performed for a specific period of time, the power to the camera is automatically turned off. This feature is useful to reduce battery consumption.

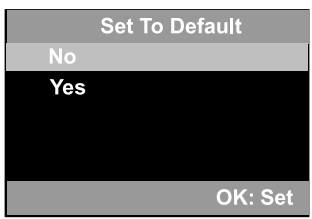
[1 min], [3 min], [5 min], [10 min], [Off]



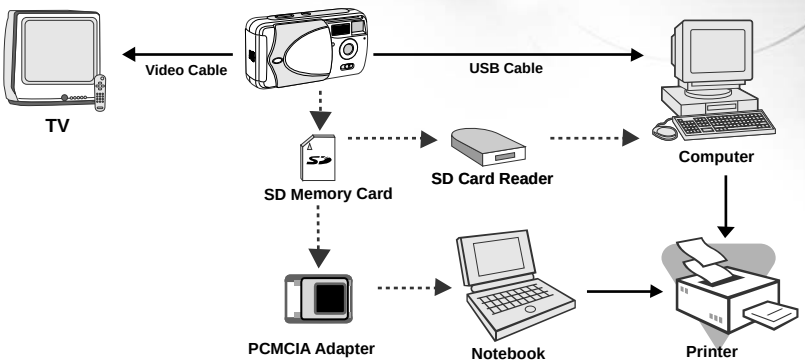
Set To Default

This function will restore all the parameters to the factory-default settings.

[No]: Remain the current settings
[Yes]: Reset to default settings



CONNECTING YOUR VIVICAM 3915 TO OTHER DEVICES



VIVICAM 3915 SPECIFICATIONS

Item	Description
Image sensor	CCD
Effective pixels	5.0 Million
Image resolution	Still image: 2560x1920 2048x1536 1600 x 1200 1280 x 960 640 x 480 Video clip: 320 x 240
Image quality	Fine Normal Economy
Recording media	16MB internal memory;(14MB available for image storage) SD memory card (optional) (up to 512MB capacity)
Lens	Focal length: 7.7mm Focusing range: Portrait: 0.75m~1.5m Landscape: 1.5m~Infinity F-number: 3.5
LCD monitor	1.4" color TFT LCD
Self-timer	5-second delay 10-second delay
Zoom	Digital: Capture mode: 2X/ Playback mode: 4X
Exposure compensation	Auto; Manual:-2.0~+2.0 EV (in 0.5EV step)

Item	Description
White balance	Auto; Manual: Daylight, Cloudy, Sunset, Tungsten, Fluorescent
Compressed format	JPEG, MPEG I Level I for video clip
Standards	JPEG, EXIF 2.1, MPEG I Level I
Interface (NTSC or PAL)	DC IN jack, USB connector, VIDEO OUT jack
Operating environment	Operation: -5^{0}C ~40^{0}C, 15% ~90% humidity Storage: -20^{0}C ~70^{0}C, 10 %~95% humidity
Power	2 x AA Alkaline batteries (included), 2 x AA Ni-MH batteries (recommended for optimum performance), AC power adapter (3.0V, 2.5A Center Positive) (optional)
Tripod socket	Yes
Dimensions	3.8” x 2” x 1.2” (96 mm x 51.5 mm x 30 mm) (WxHxD)
Weight	Approximately 4 ounces (110g) (without batteries and the SD memory card)

* Design and specifications are subject to change without notice.